VEBM945100

SHOP MANUAL

KOMATSU®

WA250PZ-5

MACHINE MODEL

WA250PZ-5

SERIAL NUMBER

H50051 and up

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require.
  Materials and specifications are subject to change without notice.

- WA250PZ-5 mount the SAA6D102E-2-A engine.
  For details of the engine, see the 102 Series Engine Shop Manual.

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1. Front axle
2. Tension bolt
3. Front frame
4. Center hinge pin
5. Rear axle
6. Rear frame
7. Additional counterweight
8. Counterweight

Outline

- Since front axle (1) receives forces directly during work, it is fixed to front frame (3) directly with tension bolts (2).
- Rear axle (5) rocks at the center of rear frame (6) so that each tire will keep in contact with ground even when the machine travels on soft ground.
- Front frame (3) and rear frame (6) are connected by center hinge pin (4) with the bearing between them. The steering cylinders on both sides connect front frame (3) and rear frame (6) and move to adjust the bending angle, or the turning radius.

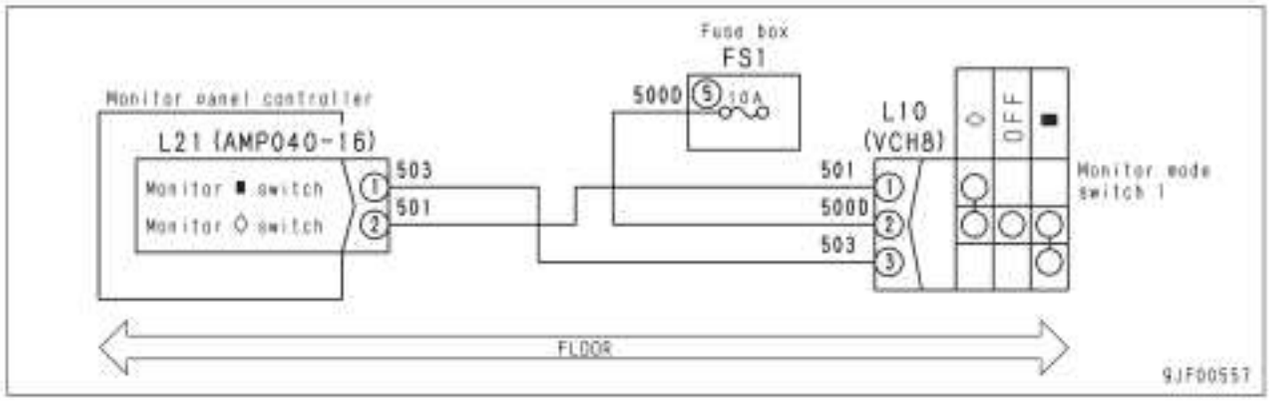
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Troubleshooting Code [MON-9] (Input failure in monitor panel mode selector switch 1 [■] (Panel switch 1))

Action Code	Error Code	Controller Code	Trouble	Input failure in monitor panel mode selector switch 1 [■] (Panel switch 1)
-	-	-		
Description of Trouble	• The monitor panel mode selector switch 1 [■] (Panel switch 1) input circuit is always in the OPEN state.			
Machine monitor or controller Reaction	• Activates an alarm.			
Effect on Machine	• The monitor does not work.			
Related Information				

Possible Causes and Standard Values		Causes	Standard Value in Normal State and Remarks on Troubleshooting			
			1) Turn starting switch OFF. 2) Disconnect connector L10. 3) Connect T-adapter.			
	1	Defective monitor panel mode selector switch 1 [■]	Between L10 (Female) (2) and (3)	When monitor panel mode selector switch 1 [■] is turned ON.	Resistance	1Ω and below
				Other than above.	Resistance	1MΩ and above
	2	Wiring harness discontinuity (Disconnection or defective contact)	1) Turn starting switch OFF. 2) Disconnect Connectors L21, L10, fuse FS1 (5). 3) Connect T-adapter.			
			Wiring harness between L21 (Female) (1) and L10 (Female) (3)		Resistance	1Ω and below
			Wiring harness between L10 (Female) (2) and fuse FS1 (5)		Resistance	1Ω and below
	3	Wiring harness ground fault	1) Turn starting switch OFF. 2) Disconnect Connectors L21, L10, fuse FS1 (5). 3) Connect T-adapter.			
			Wiring harness between L21 (Female) (1) and L10 (Female) (3)	Resistance between L21 (Female) (1), L10 (Female) (3) and chassis ground		1MΩ and above
			Wiring harness between L10 (Female) (2) and fuse FS1 (5)	Resistance between L10 (Female) (2), fuse FS1 (5) and chassis ground		1MΩ and above
			★ In the above case, the fuse is blown.			
	4	Defective machine monitor	1) Turn starting switch OFF. 2) Disconnect connector L21. 3) Insert T-adapter. 4) Connect connector. 5) Turn starting switch ON.			
			Between L21 (Female) (1) and chassis ground	When monitor panel mode selector switch 1 [■] is turned ON.	Voltage	20 - 30V
				Other than above.	Voltage	1V and below

Related circuit diagram



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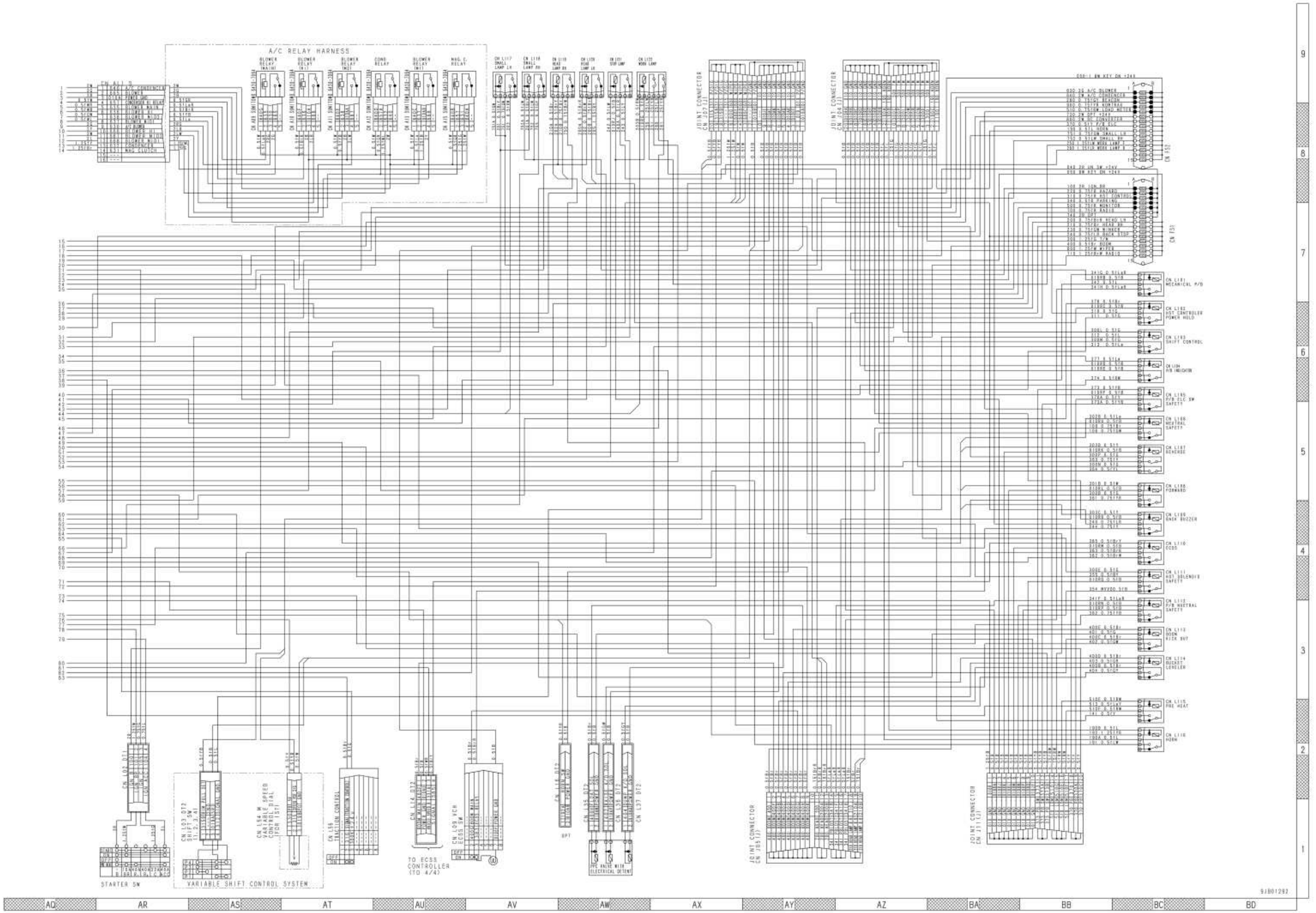
	Causes		Standard Value in Normal State and Remarks on Troubleshooting		
Possible Causes and Standard Values	4	Wiring harness discontinuity (Disconnection or defective contact)	1) Turn starting switch OFF. 2) Disconnect connector L04, L119, L120, HEAD L, HEAD R and fuse FS1 terminal (8), (9). 3) Connect T-adapter.		
			★ When all lamps are defective		
			Wiring harness between L117 (Female) (5) and L122 (Female) (1)	Resistance	1Ω and below
			Wiring harness between L122 (Female) (2) and chassis ground	Resistance	1Ω and below
			★ When front lamps are defective		
			Wiring harness between L122 (Female) (2) and L07 (Female) (2)	Resistance	1Ω and below
			Wiring harness between fuse FS2 (12) and L122 (Female) (1)	Resistance	1Ω and below
			Wiring harness between L07 (Female) (3) and C05 (Female) (1), C06 (Female) (1)	Resistance	1Ω and below
			Wiring harness between C05 (Female) (2), C06 (Female) (2) and chassis ground	Resistance	1Ω and below
			★ When rear lamps are defective		
			Wiring harness between L122 (Female) (4) and L08 (Female) (2)	Resistance	1Ω and below
			Wiring harness between fuse FS2 (13) and L122 (Female) (3)	Resistance	1Ω and below
			Wiring harness between L08 (Female) (3) and B01 (Female) (1), B02 (Female) (1)	Resistance	1Ω and below
			Wiring harness between B01 (Female) (2), B02 (Female) (2) and chassis ground	Resistance	1Ω and below

Related circuit diagram

★ See "TROUBLESHOOTING CODE [E-11.(a)]".

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ELECTRICAL CIRCUIT DIAGRAM 1/4 (4/4)



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